

TECHNICAL MEMORANDUM

Utah Coal Regulatory Program

May 25, 2010

TO: Internal File

THRU: Ingrid Wieser, Team Lead *WW*

FROM: Priscilla Burton, CPSSc, Environmental Scientist III *PB by SAS*

RE: Catchment Structures, West Ridge Resources, West Ridge Mine, C/007/0041 and Task ID #3543

SUMMARY:

The Permittee, BLM and DOGM jointly determined that four catchments should remain long term in a tributary of Grassy Trail Creek (see previous reviews tasks 3257, 3309 and NOV 10033). This catchment structures are described in Appendix 5-15 to the Mining and Reclamation Plan. The information provided is acceptable according to Division Hydrologist Steve Christensen (personal communication 5/25/3010).

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TECHNICAL ANALYSIS:

RECLAMATION PLAN

GENERAL REQUIREMENTS

Regulatory Reference: PL 95-87 Sec. 515 and 516; 30 CFR Sec. 784.13, 784.14, 784.15, 784.16, 784.17, 784.18, 784.19, 784.20, 784.21, 784.22, 784.23, 784.24, 784.25, 784.26; R645-301-231, -301-233, -301-322, -301-323, -301-331, -301-333, -301-341, -301-342, -301-411, -301-412, -301-422, -301-512, -301-513, -301-521, -301-522, -301-525, -301-526, -301-527, -301-528, -301-529, -301-531, -301-533, -301-534, -301-536, -301-537, -301-542, -301-623, -301-624, -301-625, -301-626, -301-631, -301-632, -301-731, -301-723, -301-724, -301-725, -301-726, -301-728, -301-729, -301-731, -301-732, -301-733, -301-746, -301-764, -301-830.

Analysis:

Appendix 5-15, pp. 8 describes reclamation of the four catchment basins as per BLM requirements in the ROE document. The application describes replacement of “boulders in and along the channel” for stability and erosion control. In July 2009 (Task 3309), the Division previously requested the D₅₀ size for the channel rock and embedding the channel rock into regraded soil under R645-301-742.313. Three of the four catchments have since been reclaimed and the opportunity for the Division to comment on the design has been missed for those catchments. Designs for Catchment A will be evaluated at the time of reclamation.

Topsoil was used to construct the access roads and will be redistributed over the site (Attachment 13, email from Dana Truman to Dave Shaver, 06/03/2009).

Two seed mixes for the regraded sites are provided in Attachment 13. Seed will be hand broadcast and raked in. Wood straw will be scattered over the site.

Findings:

The information provided is acceptable according to assigned Division Hydrologist Steve Christensen (personal communication 5/25/3010).

RECOMMENDATIONS:

The application should be approved.